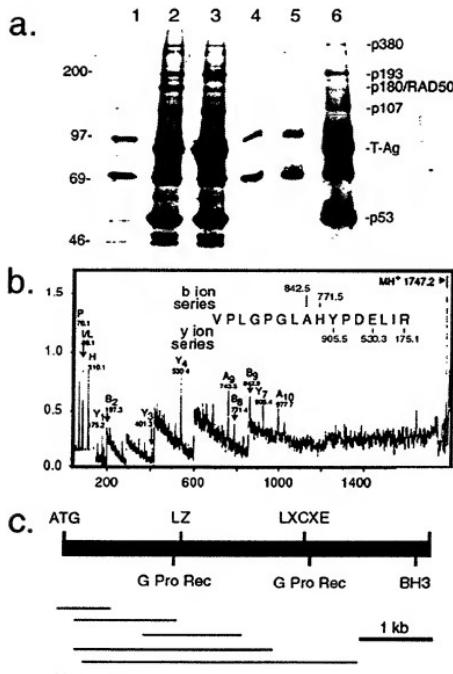


# Figure 1



**FIGURE 2**

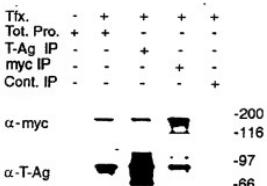
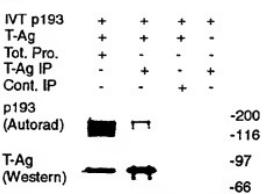
a.

MVGELRYREFRVLGPLGHLAYPDDELIRQRVGHNGHPEYQIRWLILRRGDD	50
GDRDSTVDCKAEEHILLWMSDEIYANCHKMLGENGOVIAPSRESTEAGAL	100
DKSVLGEMETDVKSLLIQRALRQLEECVGTVPAPLLHTHVVLSSAYASIEP	150
LTGIFKDERRVNVNLLMMHLSSPDYQIRWSAGRMIQALSSHADGTRTQILLS	200
LSQQEAIEKHLDFDSRCALLAFAQATLTHEHPMSFEGVQLPQVPGRLLFS	250
LVKRYLHVTFLDRNGDAGDQGAQNFFSPEELNVGRGRLELEFSMAMGT	300
LISELVQAMRWGDASSRPESSSSSTFQPRPAFPYQTQRFRRSRFRPRA	350
SFASFSTYALVVVRDTLPGMRVRMLENYYEIAACGDEQFRQSNDGVPPAQ	400
VLWDSTGHTYWVWHMHMLELGFEDIEDVIDIEELQELGANGALSIVPPS	450
QRWKPIOTLQFVYVPPBEEDEBEESENLTQAEBEWELLFFIRQLSEAE RLH	500
IVDLLQDHLEERVLVDMLPELTVPVDLAQDLLLSLPQOLLEDALRDLF	550
SCSVYRKYGPVEVLVGHLSYPFVFGAQPNLFGANEESAKDPPLQSASPAL	600
QRLVESLGEVBLVEALEQALSEAPTEVKSCCLLQLQEQPOPFLALMR	650
SLDTSASNKTLLHTVLRILMQLVNPFPEALLPWHEAMDACVTCLRSPTND	700
REVLQELIFFHLRLLTTSRDAYAVLNQHGARDAIISKVLEKHRCKLELAQE	750
LRDMVSCKCEKAHYKLITNLGCGIQMVLQIEDHRRTHRPIQIPFFD	800
VFLRVLCOGSSEEMKKNRYWEVVSNSNPORASRLTDTRNPKTYWESSGRA	850
GSHFITLHMRPGVIIQLTLLVAGEDSSSYMPAWVVVCGGNSIKSVNKELN	900
TNVMPMSASRVTLENLTFWPFIQIRIKRCQGGINTRIGLEVLPGPKP	950
TFWPVFRBQLCRHTRLFYVMRQAANSQDIAEDRSLLHLSRLNGALRH	1000
ONFAQERFLPDMEAQLASKTCWEALVSLPVQNITSPPDEDSTSSLGWL DQ	1050
YLGCRCRAAYNPQSRAAFSSRVRRLTHLLHVPEREAAPPVVAIPRSKGR	1100
NRIHDWSYLITRGLPSSIMKNTLRCWRWSVVEEOMNKFSLASWKDDDFVPR	1150
YCERYYVQLQKSSSELFGPRAAFLAMRNQCADAVRRLPFLRAAHVKQOFA	1200
RHIDORIQLGSRMGGARGMEMLAQLQRCLESVLIFSPLIEIATTFEHYYQH	1250
MADRLLSVGSSWLEGAVALEQIGCPFPSRLPQQLMQLSLNVSEELQRQFH VY	1300
QLQQLDQKLLKEDTEKKIQLGRDGSREDKSKEEAIGEAAAAMAEEEE	1350
DQGKKEEEEEEDEGEDEEERYXKGTMPEVCVLLVTPTRFWPVAVSQMLN	1400
PATCLPAPLRCITNHYTNFYSKSQSRSSELEKEPQRRLQWTWQGRAEVQFG	1450
GQILHVSTVQMLLHLNNQKVSVESLQAISELPPDVHLRAIGPLTSSR	1500
GPLDLQEQCKNVPGVVLKIRDSEEPRRGRGNWLLPPQTYLQAAEAEGRN	1550
MEKRERNLLNCLLUVRILKAHDEGLHVDRLVYLVLAEWERGCPARGLVS S	1600
LGRGATCRSSDVLSCLILHLLVKGTLRRHDDRPOQVLYAVPVTM EPHMES	1650
LNPGSAGPNPLTFTLQLIRSKGVFVYASCTDNHNTFSTFR	1689

b.

p193:	LKAHGDE
Hrk:	LKALGDE
Bim:	LRRIGDE
Bik:	LACIGDE
Bid:	LAQIGDE
Blk:	LACIGDE
EGL-1:	LAAMCDD
BAD:	LRRMSDE
BNIP-3:	LKKNSDW

Figure 3

**a.****b.****c.**

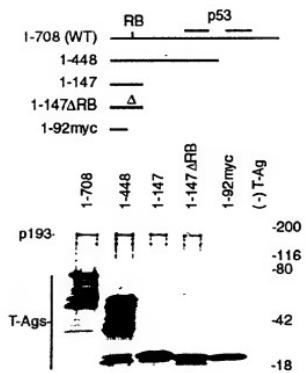
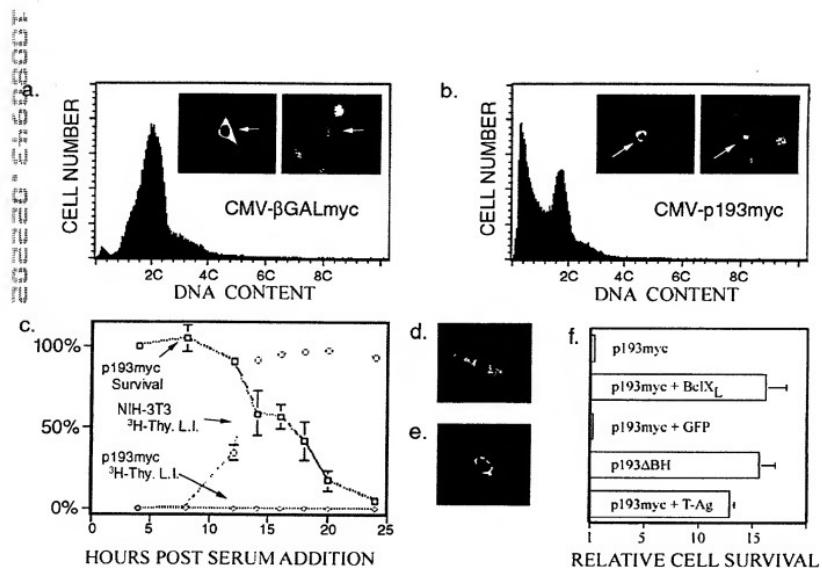
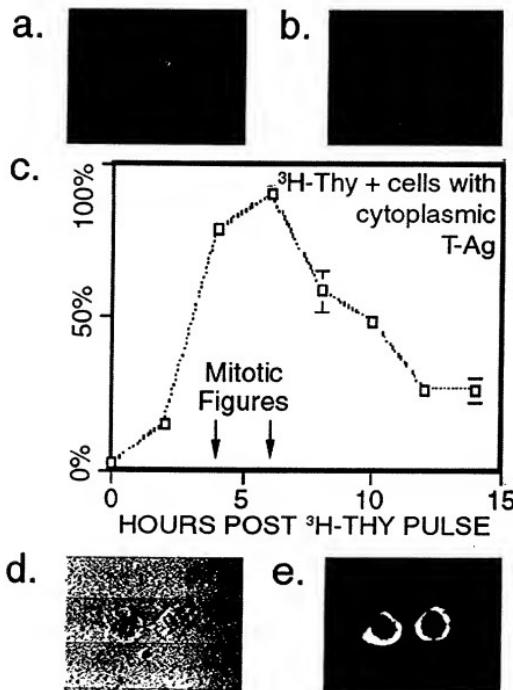
**Figure 4**

Figure 5.



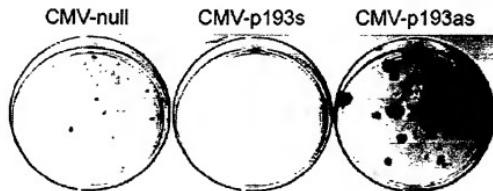
# Figure 6



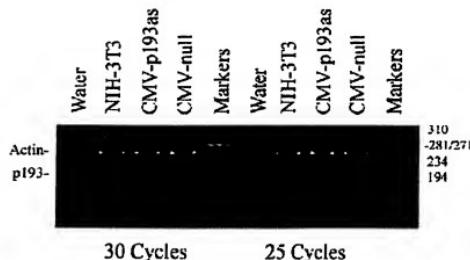
**Figure 7.**

**A. NIH-3T3 colony growth assay:**

- Transfect with various constructs
- Impose G418 selection
- Stain with gentian violet



**B. RT-PCR analysis:**

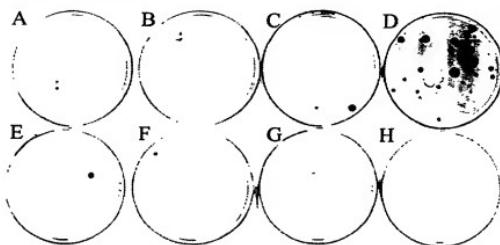


## Figure 8.

A: Structure of CMV expression vectors with nested p193  
C-terminal truncations.

- A) CMV-null \_\_\_\_\_ BH3
- B) CMV-p193 \_\_\_\_\_
- C) CMV-1342stp \_\_\_\_\_
- D) CMV-1152stp \_\_\_\_\_
- E) CMV-912stp \_\_\_\_\_
- F) CMV-309stp \_\_\_\_\_
- G) CMV-243stp \_\_\_\_\_
- H) CMV-deltaBH \_\_\_\_\_

B: Colony growth assay.



**Figure 8C**

p193dn Blocks MMS-induced Apoptosis  
in NIH-3T3 Cells:

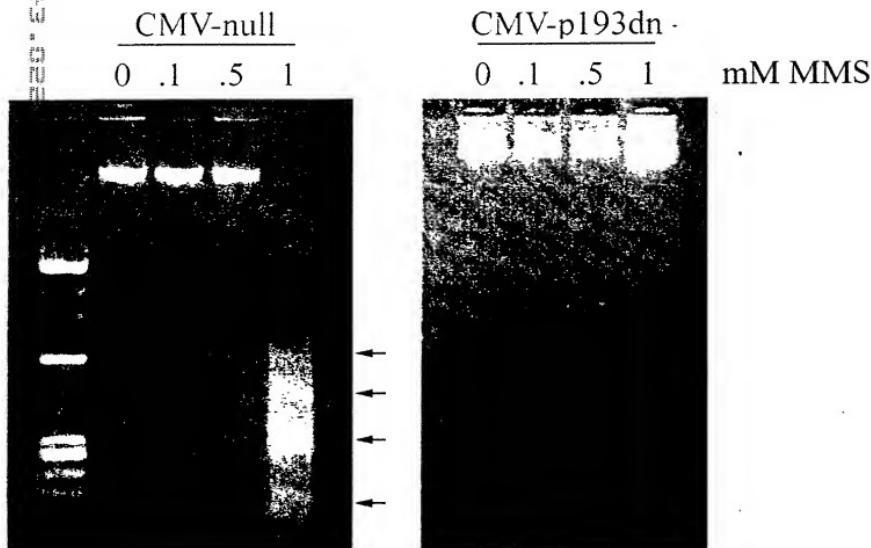
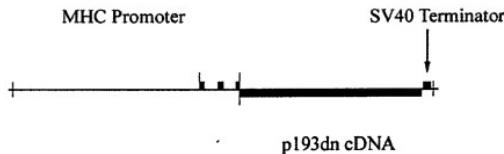


Figure 9.

MHC-p193dn Transgene



**Figure 10.**

Northern Blot of transgene expression in MHC-p193dn transgenic mice



Figure 11.

A.



B.

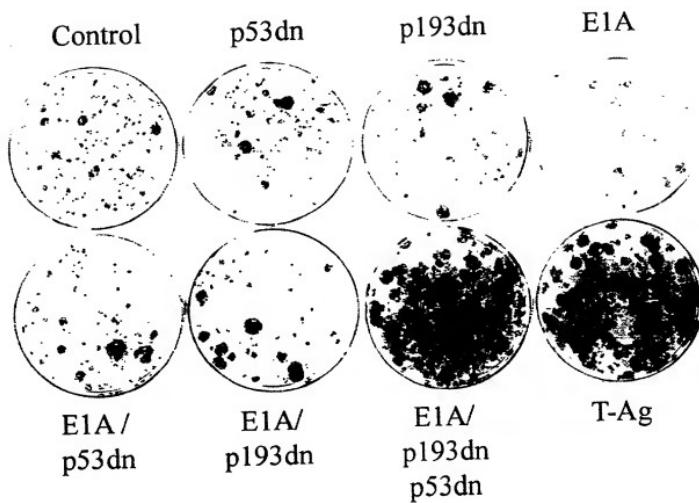


C.



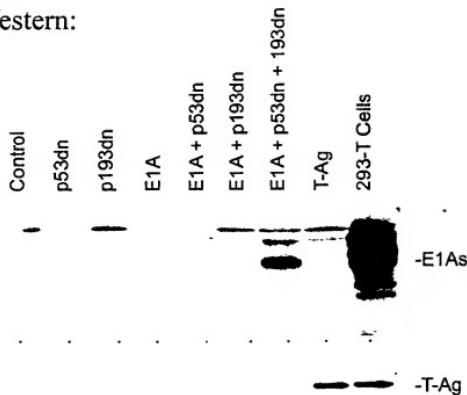
D.



**Figure 12**

**Figure 13**

A) Western:



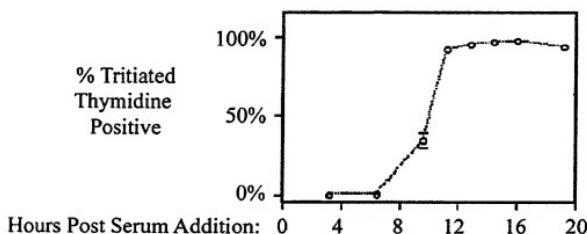
B) DNA Fragmentation:



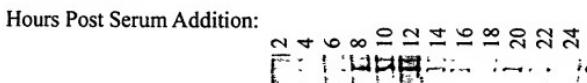
Figure 14

p193 is Expressed in G<sub>1</sub>/S of the Cell Cycle:

A) Cell Cycle Syncronization:



B) Western Analysis of p193 Expression:



**Figure 15**

Isoproterenol induces growth in cardiomyocytes  
which co-express p193dn and p53dn.

